

## ABSTRACT OF THE DISCLOSURE

A photolithographic process using an X-direction delimiting mask (S11) for aligning respective side faces of a TMR element (1) and a strap (5) situated in a negative X side is performed, to shape the TMR element (1) and the strap (5) into desired configurations. The X-direction delimiting mask (S11) includes a straight edge and is disposed such that the straight edge is parallel to a Y direction and crosses both the TMR element (1) and the strap (5) in plan view. In use of the X-direction delimiting mask (S11), respective portions of the TMR element (1) and the strap (5) situated in a positive X side relative to the straight edge in plan view are covered with the X-direction delimiting mask (S11).